ABSTRACT

Golf ball 1 has the diameter D of 43.0 mm or greater and 50.0 mm or less. This golf ball 1 includes a core 2 and a cover 3. The core 2 is formed by crosslinking of a rubber composition. The cover 3 is composed of a resin composition. Dimples 4 are formed on the surface of the cover 3. The specific gravity of the cover 3 is 1.05 or greater and 1.50 or less. The moment of inertia of this golf ball 1 is equal to or greater than 85.0 gcm^2, and particularly equal to or greater than 88.0 gcm^2. The moment of inertia is equal to or greater than the value Y calculated by the following mathematical formula (I):

$$Y = 3.57 \cdot D - 68.6 \quad (I).$$

The weight of the golf ball 1 is 45.00 g or greater and 45.93 g or less.